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LETURAL CUALITY CONTROL EGALL LOS ANGELES REGION

Second Quarter
Groundwater Monitoring
at
Stoody Company
City of Industry, California

Clayton Project No. 33043.10

July 2, 1991



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1.0 INTRODUCTION

On December 26, 1990, Ms. Nicole Jafari, Industrial Engineer with Stoody Company, authorized Clayton Environmental Consultants, Inc. to perform the second of four groundwater monitoring events required by the California Regional Water quality Control Board Los Angeles Region (CRWQCB), as stated in their October 22, 1990, workplan directive (File No. AB105.263).

This report documents the results of the second quarter of groundwater monitoring at the Stoody Company facility located at 16425 Gale Avenue, City of Industry, California (Figure 1, Appendix A). The first quarter report was previously submitted to the CRWQCB on March 8, 1991. Activities conducted during this second quarter of monitoring included measurements of water levels in the five onsite monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-5), and sampling and analysis of groundwater from these five wells. Historic data from the first quarterly sampling event is in Appendix B.

The quarterly groundwater monitoring was performed in accordance with the Terms and Conditions described in Clayton's Proposal No. 90-SEE-164 dated December 18, 1990. Clayton received written authorization to proceed with the groundwater monitoring from Ms. Nicole Jafari on December 26, 1990.

2.0 FINDINGS

Water level measurements and groundwater samples were collected from five onsite monitoring wells at the Stoody facility as part of the second quarter of a quarterly groundwater monitoring program.

Eleven compounds were detected above the analytical limits of detection using EPA Method 524.2 for volatile organic compounds. A summary table of results is provided in Appendix A. The compounds detected in the wells include: carbon tetrachloride, chloroform, 1,2-dichloroethane, 1,1-dichloroethene, trans 1,2-dichloroethene, cis 1,2-dichloroethene, methylene chloride, tetrachloroethene, 1,1,1-trichloroethane, trichloroethene, and trichlorofluoromethane.

The most recent laboratory analytical report shows that the compounds detected in the downgradient monitoring wells are present at similar concentrations as in the upgradient well, although some variations in concentrations are noted from well to well. For example, trichloroethene is reported at 30 µg/L in Well MW-4 (upgradient) and at 77 µg/L in Well MW-3 (downgradient); and tetrachloroethene at 92 µg/L in Well MW-4 and at 66 µg/L in Well MW-3. Other reversing trends like this also occur in the reported laboratory data.



These conditions, coupled with the results of previous analyses performed by Clayton field and laboratory personnel, suggest an offsite source may be responsible for the compounds detected in the groundwater samples. The relatively high detections of tetrachloroethene in samples from MW-1, MW-2, MW-4, and MW-5 support this conclusion.

3.0 FIELD ACTIVITIES

Water-level measurement and groundwater sample collection from Monitoring Wells MW-1 through MW-5, occurred on May 14, 1991. Procedures followed during these activities are outlined below.

3.1 WATER-LEVEL MEASUREMENTS

Water-level measurements were taken on May 14, 1991, for Wells MW-1 through MW-5 using a Teflon[™] measuring tape. The measurements were then retaken with an electronic water level measuring device (Slope Indicator Company Water Level Indicator, Model 51453). Water level measurements are accurate to within 0.01 inches and ranged from 30.02 feet to 32.41 feet (Appendix A, Table 1). Groundwater flow direction was measured to be flowing in a north-northwest direction with a vertical gradient of 0.003 feet/foot (Appendix A, Figure 2).

3.2 GROUNDWATER SAMPLING

Groundwater Monitoring Wells MW-1 through MW-5 were sampled on May 14, 1991. Prior to sampling, the wells were purged using a PVC bailer attached to a truck-mounted mast/pulley system (a well development rig). The bailer and attached cable were steam-cleaned between wells. The wells were sampled in the following order: MW-4, MW-5, MW-2, MW-1, and MW-3.

A minimum of three casing volumes of water was removed from each well. Water quality parameters (pH, temperature, and electrical conductivity) were measured after removal of 18, 36, and 54 gallons of water. Purging was discontinued after the minimum number of casing volumes were removed and the water quality parameters stabilized to within \pm 10 percent of the parameter values obtained from the previous measurements. Water quality parameters are provided on the water sampling field survey forms (Appendix C).

Precleaned, hand-held Lexan[™] bailers attached to nylon line were used to collect the groundwater samples. The bailers were washed with tap water and Alconox[™] detergent between sampling events. The washing was followed by a double-rinsing with deionized water. To further enhance cleanliness during the sampling procedures, the area immediately adjacent to each well was covered with plastic sheeting. In addition,



Clayton personnel wore precleaned Neoprene™ gloves during sample collection and handling.

The samples were collected using the container and preservation guidelines of the U.S. Environmental Protection Agency (EPA), 40 CFR 136. After being filled with groundwater, the sample containers were labeled, wrapped in shock-absorbing foam sheeting, and placed on ice in a portable cooler.

Within 24 hours of collection, the samples were transported, under standard chain-of-custody procedures, to a Department of Health Services (DHS) certified laboratory for analysis. Purged groundwater was placed in five Class 17-H, 55-gallon drums. The drums were labeled and placed onsite for disposal by the Stoody Company.

4.0 LABORATORY ANALYTICAL RESULTS

4.1 VOC AND TRPH ANALYSES

Laboratory analysis was provided by Enseco-CRL, Inc. located in Garden Grove, California. The laboratory is certified by the California Department of Health Services (DHS). Laboratory results are summarized in Tables 2, 3, 4, and 5 (Appendix A), and presented in their entirety in Appendix D.

Groundwater samples were analyzed using EPA Method 524.2 for volatile organic compounds and EPA Method 180.1 for turbidity. The groundwater samples collected from Well MW-5 were also subjected to EPA Method 418.1 for total recoverable petroleum hydrocarbons (TRPH).

As reported in the summary table of results for EPA Method 524.2 (Table 2), five of the compounds detected in the wells were found in concentrations which exceed the EPA maximum contaminant level (MCL) or DHS drinking water action level (DWAL) for the corresponding compounds.

Carbon tetrachloride was detected at a concentration of 1.0 microgram per liter (μ g/L). This concentration exceeded the MCL for this compound of 0.5 μ g/L. 1,2-Dichloroethane was detected only in Well MW-3 at a concentration of 0.8 μ g/L. This concentration exceeds the MCL for this compound of 0.5 μ g/L. 1,1-Dichloroethene was detected at concentrations ranging from 12 to 49 μ g/L. These concentrations exceed the MCL for this compound of 6.0 μ g/L. Tetrachloroethene was detected at concentrations ranging from 66 to 140 μ g/L. These concentrations exceed the DHS DWAL for this compound of 5 μ g/L. Trichloroethene was detected at concentrations ranging from 30 to 77 μ g/L. These concentrations exceed the DHS DWAL for this compound of 5 μ g/L.



Six compounds were detected in the wells in concentrations below the MCL or DWAL. Chloroform was detected in concentrations ranging from 0.52 to 1.0 μ g/L. These concentrations are below the MCL for this compound of 100 μ g/L. Cis 1,1-dichloroethene was detected at a concentration of 2.7 μ g/L. This concentration is below the DHS DWAL for this compound of 6.0 μ g/L.

Methylene chloride was detected at concentrations ranging from 3.0 to 3.3 μ g/L. These concentrations are below the DHS DWAL for this compound of 40 μ g/L. 1,1,1-Trichloroethene was detected at concentrations ranging from 1.1 to 7.6 μ g/L. These concentrations are below the MCL for this compound of 200 μ g/L. Trichlorofluoromethane was detected at a concentration of 1.3 μ g/L. This concentration is below the DHS DWAL for this compound of 150 μ g/L.

As shown in the summary table of results for EPA Method 418.1 for TRPH in Well MW-5 (Table 4), analytical results report that TRPH was detected at a concentration of 1.0 milligram per liter (mg/L).

4.2 TURBIDITY ANALYSIS

The laboratory reported relatively high turbidity readings ranging from 88 to 780 Nephelometric Turbidity Units (NTUs). Although these numbers are high, Clayton has made two observations that we believe support our opinion that these high readings have not affected the validity of the VOC analysis and that the reported concentrations represent actual field conditions.

The wells were purged from throughout their casing lengths prior to sampling, disturbing sediment in the bottom of the wells and creating unrepresentative field conditions for each well. The suspended particles were seen, in the field, to fall out of suspension very quickly. Discussion with the laboratory revealed that prior to turbidity testing they agitated the sample, thereby reintroducing particulate matter into the water that is not part of the actual suspension that occurs in the field.

The sample used for the turbidity test was collected in an individual 100 milliliter (ml) container and was separate from the samples used for VOC analyses. The samples used for the VOC analyses were collected in 40 ml vials, had very little sediment in them, and were not agitated prior to analysis.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Clayton has performed groundwater monitoring quarterly at the Stoody Company facility for about 1 to 1-1/2 years. During this time, the laboratory results from groundwater analyses have not provided much in the way of trends of concentrations of the various VOCs detected in the groundwater from the onsite monitoring wells.



Several reversing trends have been observed in the data related to high and low concentrations of different VOCs in the samples from different wells.

These "non-trends" become the trends with no clear resolution with the available laboratory and field data. However, the recent laboratory analyses from MW-1, MW-2, MW-4, and MW-5 support the conclusion that a source of contamination may be present upgradient of the Stoody facility.

To address the presence or absence of an upgradient source of contamination, Clayton recommends reviewing, compiling and analyzing data from existing upgradient monitoring wells as may be available in the files of the CRWQCB and the Los Angeles County Department of Public Works. We will compare the laboratory results available to the data we have concerning the Stoody Company, to see if we can tell if an upgradient contamination source is present east of the facility. Depending on the results of this literature search, additional groundwater investigation may be necessary.

6.0 SCHEDULE FOR NEXT GROUNDWATER MONITORING EVENT

The next quarterly groundwater monitoring report is due to the CRWQCB on September 1, 1991. We anticipate sampling the wells in late July or early August 1991.

The information and opinions rendered in this report are exclusively for use by the Stoody Company. Clayton Environmental Consultants, Inc. will not distribute this report without your consent except as may be required by law or court order. The information and opinions expressed in this report are given in response to our limited assignment and should be evaluated and implemented only in light of that assignment. We accept responsibility for the competent performance of our duties in executing the assignment and preparing this report in accordance with the normal standards of our profession but disclaim any responsibility for consequential damages.

This report submitted by:

Andre LaMontagne

Geologist

This report reviewed by:

David H. Randell

Registered Geologist, No. 3977

Manager, Environmental Engineering

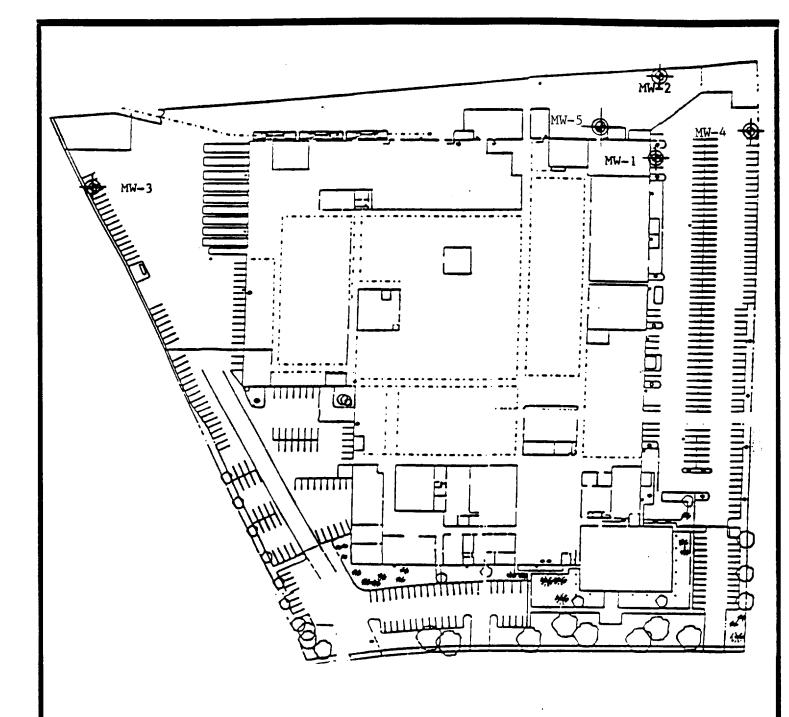
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Pacific Operations

July 2, 1991



APPENDIX A FIGURES AND TABLES



MONITORING WELL LOCATION

SCALE: 1 INCH = 150 FEET



| C | LAYTON ENVIRONMENTAL | CONSULTANTS, INC. | FIGURE |
|---|--|----------------------|--------|
| | APPROXIMATE OF MONITOR | 1 | |
| | STOODY COMPANY INDUSTRY, CALIFORNIA | PROJECT NO. 33043.00 | 3/91 |

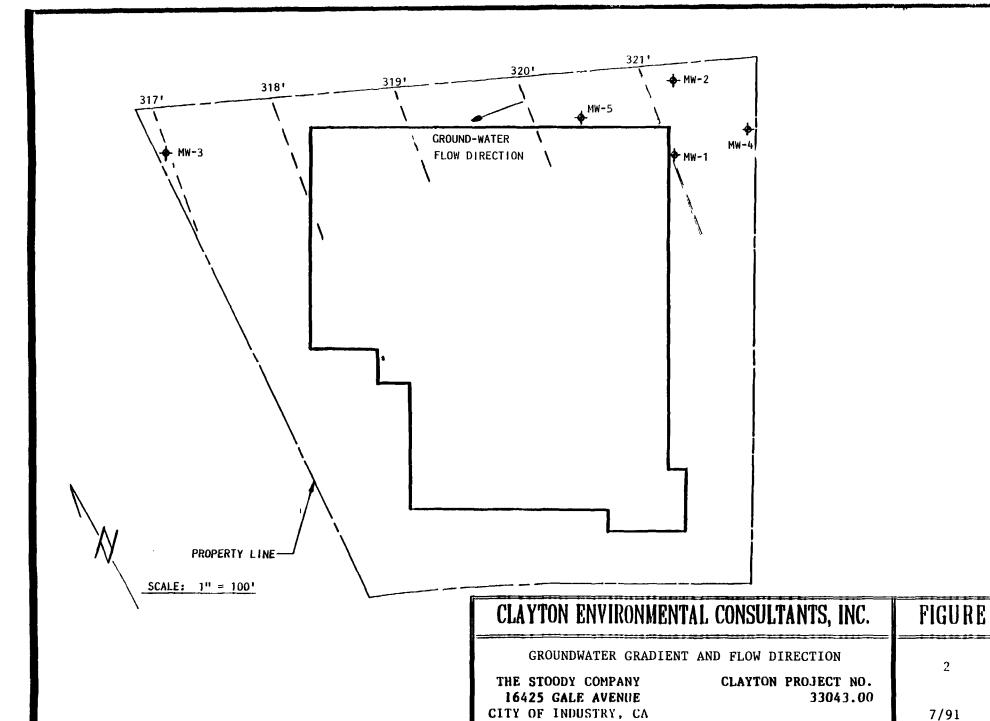




Table 1 Groundwater Monitoring Well Data at Stoody Company City of Industry, California Clayton Project No. 33043.00

Sampling Dates: May 14, 1991

| | | Elevations (| (eet) | | |
|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Monitoring Well | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 |
| California Coordinates Northerly | 4 115 352.91 | 4 115 446.16 | 4 115 618.47 | 4 115 317.93 | 4 115 437.54 |
| California Coordinates Easterly | 4 304 877.74 | 4 305 930.76 | 4 304 433.56 | 4 305 006.96 | 4 304 813.76 |
| Elevation at top of well casing (MSL) | 352.18 | 351.12 | 349.34 | 353.55 | 351.64 |
| Total depth of well after development | 44.90 | 44.95 | 44.85 | 48.68 | 49.86 |
| Date of measurement | 5/14/91 | 5/14/91 | 5/14/91 | 5/4/91 | 5/4/91 |
| Depth to water from top of casing | 31.15 | 30.02 | 32.41 | 31.73 | 30.75 |
| Elevation of water (MSL) | 321.03 | 321.10 | 316.93 | 321.82 | 320.89 |

Table 2 Summary Table of Results for EPA Method 524.2 (Concentrations in μ g/L) for Volatile Organic Compounds

at

Stoody Company
City of Industry, California
Clayton Project No. 33043.00

Sampling Dates: May 14,1991

| Monitoring Well No. | Carbon tetra- chloride | Chloro- form | 1,2-Dichloro- ethane | 1,1-Dichloro- ethene | Cis 1,2- Dichloro- ethene | Trans 1,2- Dichloro- ethene | Methylene Chloride | Tetra- chloro- ethene | 1,1,1- Trichloro- ethane | Trichloro- ethene | Trichloro- flouro Methane |
|--|---------------------------|-----------------|-------------------------|-------------------------|---------------------------------|-----------------------------------|-----------------------|-----------------------------|--------------------------------|----------------------|---------------------------------|
| MW-1 | ND | ND | ND | 14 | 2.7 | ND | 3.3 | 100 | ND | ND | ND |
| MW-2 | ND | ND | ND | 13 | ND | ND | 3.0 | 140 | ND | ND | ND |
| MW-3 | 1.0 | 1.0 | 0.8 | 49 | ND | ND | ND | 66 | 7.6 | 77 | ND |
| MW-4 | ND | 0.52 | ND | 12 | 2.7 | ND | ND | 92 | 1.1 | 30 | 1.3 |
| MW-5 | ND | ND | ND | 16 | 2.7 | ND | ND | 130 | ND | ND | ND |
| DHS DWAL or MCL for Corresp. Compounds | *0.5 | *100 | +0.5 | *6.0 | 6.0 | 6.0 | 40 | 5.0 | *200 | *5.0 | 150 |
| LOD for Corresp. Compounds | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Method Blank | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

ND: Not detected at or above limit of detection

μg/L: Micrograms per liter (generally equivalent to parts per billion)

NA: Information not available

DHS: State of California Department of Health Services

DWAL: Drinking water action levelMCL: Maximum contaminant level

LOD: Limit of detection



Table 3 Summary Table of Results for EPA Method 180.1 for Turbidity

at

Stoody Company City of Industry, California Clayton Project No. 33043.00

Sampling Dates: May 14, 1991

| Sample Identification | Turbidity (N.T.U.)* |
|-----------------------|---------------------|
| MW-1 | 740 |
| MW-2 | 780 |
| MW-3 | 480 |
| MW-4 | 94 |
| MW-5 | 88 |
| Limit of detection | 0.1 |

<: Less than the indicated limit of detection (LOD)

Table 4

Summary Table of Results for EPA Method 418.1 for Total Petroleum Hydrocarbons (Concentrations in mg/L) for Monitoring Well MW-5

at

Stoody Company City of Industry, California Clayton Project No. 33043.00 Sampling Date: May 14, 1991

| Sample Identification Number | Total Recoverable Petroleum Hydrocarbons |
|------------------------------|--|
| MW-5 | 1.0 |

Limit of detection: 1.0

mg/L: Milligrams per liter (generally equivalent to parts per million)

^{*}NTU: Nephelometric Turbidity Units



Table 5 Summary Table of Results for Average Pre-Sample pH Values

at

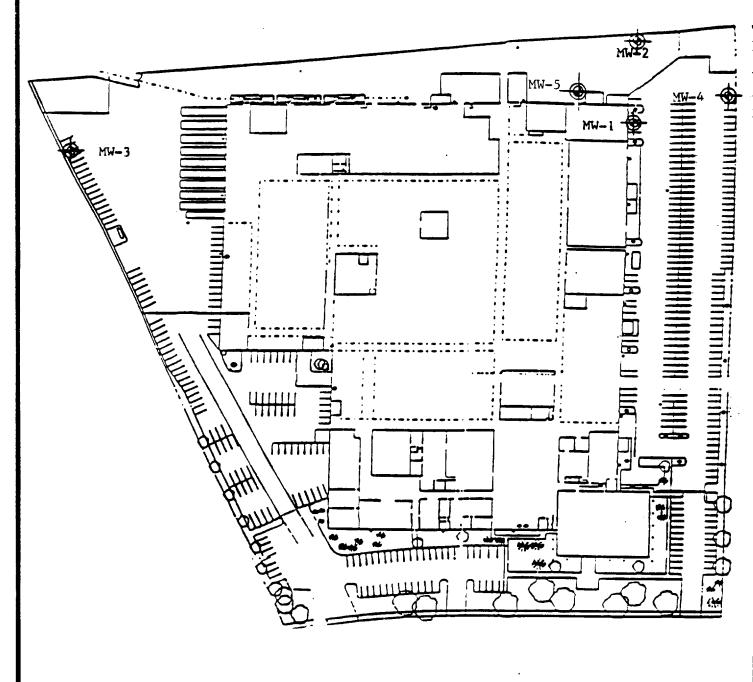
Stoody Company City of Industry, California Clayton Project No. 33043.00

Sampling Dates: December 27, 1990 and February 13, 1991

| MONITORING WELL NUMBER | pН |
|------------------------|------|
| MW-1 | 7.81 |
| MW-2 | 7.87 |
| MW-3 | 7.76 |
| MW-4 | 7.89 |
| MW-5 | 7.91 |



APPENDIX B HISTORIC FIGURES AND TABLES



MONITORING WELL LOCATION

SCALE: 1 INCH = 150 FEET



| CLAYTON ENVIRONMENTAL | CONSULTANTS, INC. | FIGURE |
|--|----------------------|--------|
| APPROXIMATE OF MONITOR | | 1 |
| STOODY COMPANY INDUSTRY, CALIFORNIA | PROJECT NO. 33043.00 | 3/91 |

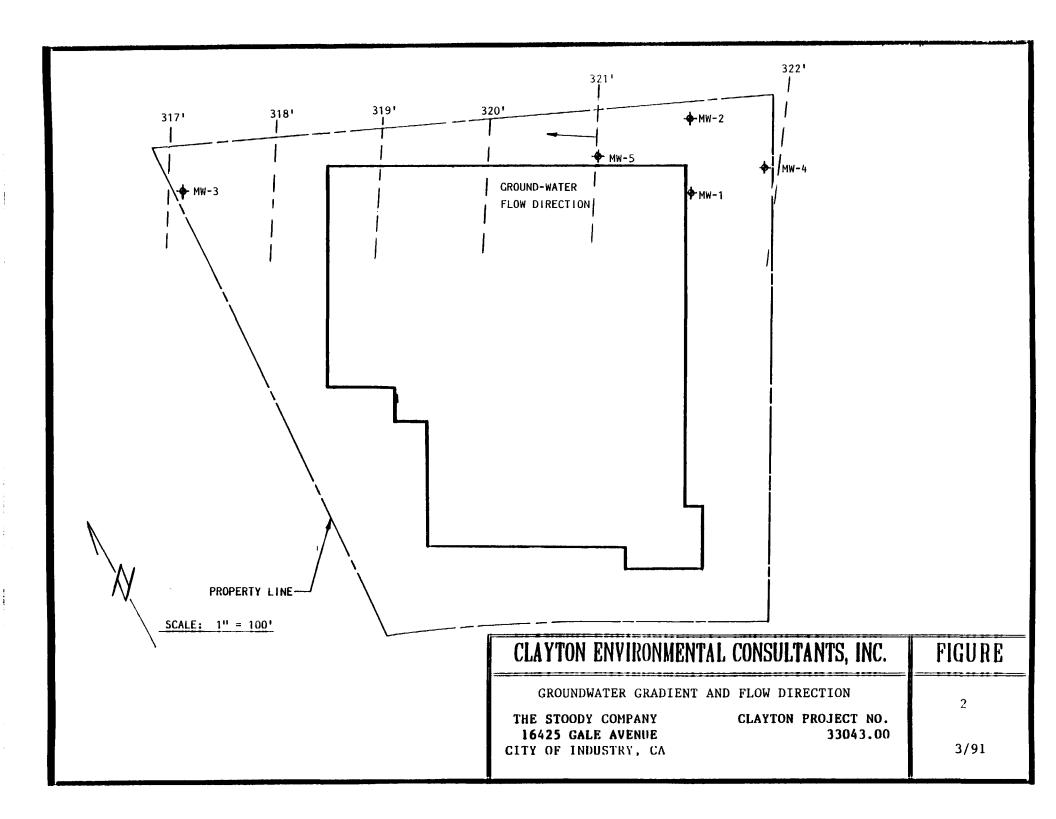




Table 1 Groundwater Monitoring Well Data

at

Stoody Company City of Industry, California

Clayton Project No. 33043.00

Sampling Dates: December 27, 1990 and February 13, 1991

| Elevations (feet) | | | | | | | | |
|---------------------------------------|-----------------|-----------------|----------------------------------|-----------------|-----------------|--|--|--|
| Monitoring Well | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | | | |
| California Coordinates Northerly | 4 115 352.91 | 4 115 446.16 | 4 11 5 61 8.4 7 | 4 115 317.93 | 4 115 437.54 | | | |
| California Coordinates Easterly | 4 304 877.74 | 4 305 930.76 | 4 304 433.56 | 4 305 006.96 | 4 304 813.76 | | | |
| Elevation at top of well casing (MSL) | 352.18 | 351.12 | 34 9.3 4 | 353.55 | 351.64 | | | |
| Total depth of well after development | 44.90 | 44.95 | 44.85 | 48.68 | 49.86 | | | |
| Date of measurement | 3/6/91 | 3/6/91 | 3/6/91 | 3/6/91 | 3/6/91 | | | |
| Depth to water from top of casing | 31.12 | 30.04 | 32.17 | 31.65 | 30.62 | | | |
| Elevation of water (MSL) | 321.06 | 321.08 | 317.17 | 321.90 | 321.02 | | | |

Table 2 Summary Table of Results for EPA Method 524.2 (Concentrations in $\mu g/L$) for Volatile Organic Compounds

at

Stoody Company

City of Industry, California Clayton Project No. 33043.00

Sampling Dates: December 27, 1990 and February 13, 1991

| Monitoring Well No. | Carbon tetra- chloride | Chloro- form | 1,2-Dichloro- ethane | 1,1-Dichloro- ethene | Cis 1,2- Dichloro- ethene | 1,2-Dichloro- ethene (total) | Methylene Chloride | Tetra- chloro- ethene | 1,1,1- Trichloro- ethane | Trichloro- ethene | Trichloro- flouro Methane |
|--|---------------------------|-----------------|-------------------------|-------------------------|---------------------------------|------------------------------------|-----------------------|-----------------------------|--------------------------------|----------------------|---------------------------------|
| MW-1 | 1.0 | 0.8 | ND | 18 | 1.5 | 1.5 | 2.6 | 130 | 1.9 | 50 | 2.6 |
| MW-2 | 0.8 | 0.7 | ND | 14 | 1.5 | 1.5 | 4.5 | 140 | 2.5 | 35 | 1.8 |
| MW-3 | 0.8 | 0.9 | 0.7 | 25 | ND | ND | 3.6 | 55 | 5.1 | 65 | ND |
| MW-4 | 0.6 | 0.6 | ND | 11 | 1.9 | 1.9 | 4.0 | 100 | 1.4 | 32 | 1.7 |
| MW-5 | ND | 0.7 | ND | 16 | 2.1 | 2.1 | ND | 100 | 1.8 | 34 | 2.2 |
| DHS DWAL or MCL for Corresp. Compounds | *0.5 | *100 | *0.5 | + 6.0 | 6.0 | NA | 40 | 5.0 | *200 | + 5.0 | 150 |
| LOD for Corresp. Compounds | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Trip Blank | ND | ND | ND | ND | ND | ND | 0.9/1.2 | ND/0.7 | ND | ND | ND |
| Method Blank | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

ND: Not detected at or above limit of detection

μg/L: Micrograms per liter (generally equivalent to parts per billion)

NA: Information not available

DHS: State of California Department of Health Services

DWAL: Drinking water action levelMCL: Maximum contaminant level

LOD: Limit of detection



Table 3 Summary Table of Results for EPA Method 180.1 for Turbidity

at

Stoody Company City of Industry, California Clayton Project No. 33043.00

Sampling Dates: December 27, 1990 and February 13, 1991

| Sample Identification | Turbidity (N.T.U.)* |
|-----------------------|---------------------|
| MW-1 | 6.4 |
| MW-2 | 4.5 |
| MW-3 | 9.6 |
| MW-4 | 7.1 |
| MW-5 | 1.5 |
| Limit of detection | 0.1 |

<: Less than the indicated limit of detection (LOD)

Table 4 Summary Table of Results for EPA Method 418.1 for Total Petroleum Hydrocarbons (Concentrations in mg/L)

for Monitoring Well MW-5

at
Stoody Company
City of Industry, California
Clayton Project No. 33043.00
Sampling Date: February 13, 1991

| Sample Identification Number | Total Recoverable Petroleum Hydrocarbons |
|------------------------------|--|
| MW-5A | <1.0 |
| MW-5B | <1.0 |

Limit of detection: 1.0

mg/L: Milligrams per liter (generally equivalent to parts per million)

^{*}NTU: Nephelometric Turbidity Units



Table 5 Summary Table of Results for Average Pre-Sample pH Values

at

Stoody Company City of Industry, California Clayton Project No. 33043.00

Sampling Dates: December 27, 1990 and February 13, 1991

| MONITORING WELL NUMBER | рН |
|------------------------|------|
| MW-1 | 7.81 |
| MW-2 | 7.87 |
| MW-3 | 7.76 |
| MW-4 | 7.89 |
| MW-5 | 7.91 |



APPENDIX C WATER SAMPLING FIELD SURVEY FORMS



Job No: 33043.00

Site: Stoody

Date: 5/14/91

Well No: MW-1

Sampling Team: LaMontagne

Sampling Method:

Field Conditions: Sunny, 80°, slight breeze

Describe Equipment Decontamination Before Sampling This Well:

Wash in alconox solution Twice rinse in potable water Final rinse in deionized water

Total Depth of Well:

45 feet

Time: 12:45 - 12:59 Be

Depth to Water Before Purging:

31.15 feet

| Volume Height of Water | | Diameter 2-inch | Diameter 4-inch | | Volume | | Purge <u>Factor</u> | | Volume To Purge |
|------------------------------|---|-----------------|-----------------|---|---------|---|------------------------|---|--------------------|
| Column: 14 feet | * | .16 | .65 | = | 9.1 gal | * | 3 | = | 27 Gal. |

| Time | Volume Purged | pH | Conductivity | T | Comments |
|-------|---------------|----|--------------|------|---|
| 12:47 | 0 Gal | | 1.64 | 80.9 | Clear |
| 12:51 | 18 Gal | | 1.52 | 43.1 | Slightly cloudy, light brown |
| 12:54 | 36 Gal | | 1.55 | 72.4 | Same |
| 12:57 | 54 Gal | | 1.53 | 71.3 | Same |
| | | | | | Noted a floating product in drum but not sure from where it came i.e. barrel or well. |



Job No: 33043.00

Site: Stoody

Date: 5/14/91

Well No: MW-2

Sampling Team: LaMontagne

Sampling Method:

Field Conditions: Sunny 78°

Describe Equipment Decontamination Before Sampling This Well:

Wash in alconox solution Twice rinse in potable water Final rinse in deionized water

Total Depth

of Well:

45 feet

Time:

12:17 - 12:37

Depth to Water

Before Purging:

30.02 feet

| Volume Height of | | Diameter 2-inch | Diameter 4-inch | | <u>Volume</u> | | Purge Factor | | Volume To Purge |
|--------------------------|---|-----------------|-----------------|---|---------------|---|-----------------|---|-----------------|
| Water Column: 15 feet | * | .16 | .65 | = | 9.8 gal | * | 3 | = | 29 Gal |

| Time | Volume Purged | рН | Conductivity | T | | Co | mmer | nts | |
|-------|---------------|----|--------------|------|--------|----------|---------|----------|--|
| 12:18 | 0 Gal | | 1.77 | 86.1 | Very | clear | | | |
| 12:21 | 18 Gal | | 1.60 | 75.6 | Slight | ly cloud | dy; lig | ht brown | |
| 12:24 | 36 Gal | | 1.58 | 72.3 | н | # | н | н | |
| 12:27 | 54 Gal | | 1.56 | 71.2 | н | 11 | н | н | |



Job No: 33043.00

Site: Stoody

Date: 5/14/91

Well No: MW-3

Sampling Team: LaMontagne

Sampling Method:

Field Conditions: Sunny, 82°, slight breeze

Describe Equipment Decontamination Before Sampling This Well:

Wash in alconox solution Twice rinse in potable water Final rinse in deionized water

Total Depth

of Well: 45 feet

Time:

1:26 - 1:39

Depth to Water

Before Purging:

32.41 feet

| Volume Height of Water | | Diameter 2-inch | Diameter 4-inch | | Volume | | Purge <u>Factor</u> | | Volume To Purge |
|------------------------------|---|-----------------|-----------------|---|---------|---|------------------------|---|-----------------|
| Column: 13 feet | * | .16 | .65 | = | 8.4 gal | * | 3 | = | 25 Gal |

| Time | Volume Purged | pН | Conductivity | T | | C | omme | ents | |
|------|---------------|----|--------------|------|--------|---------|---------|---------|----|
| 1:28 | 0 Gal | | 1.82 | 83.9 | Clear | | | | |
| 1:32 | 18 Gal | | 1.61 | 74.0 | Slight | y cloud | iy; lig | ht brow | 'n |
| 1:34 | 36 Gal | | 1.58 | 70.6 | н | 11 | 11 | ** | |
| 1:36 | 54 Gal | | 1.58 | 70.8 | 11 | 11 | 10 | If | |



Job No: 33043.00

Site: Stoody

Date: 5/14/91

Well No: MW-4

Sampling Team: LaMontagne

Sampling Method:

Field Conditions: Sunny, 70°

Describe Equipment Decontamination Before Sampling This Well:

Wash in alconox solution Twice rinse in potable water Final rinse in deionized water

Total Depth

of Well:

49 feet

Time:

10:04 - 10:26

Depth to Water

Before Purging:

31.73 feet

| Volume Height of Water | | Diameter 2-inch | Diameter 4-inch | | Volume | | Purge <u>Factor</u> | | Volume To Purge |
|------------------------------|---|-----------------|-----------------|---|--------|---|------------------------|---|--------------------|
| Column: 17 feet | * | .16 | .65 | = | 11 gal | * | 3 | = | 33 Gal |

| Time | Volume Purged | рH | Conductivity | T | Comments |
|-------|---------------|----|--------------|------|---|
| 10:08 | 0 Gal | | 1.52 | 70.1 | Top of well pretty clear, bottom of well some silt. |
| 10:11 | 18 Gal | | 1.35 | 69.1 | Cloudy, light brown. |
| 10:15 | 36 Gal | | 1.37 | 70.6 | 10 11 11 |
| 10:18 | 54 Gal | | 1.42 | 70.6 | 11 11 14 |



Job No: 33043.00

Site: Stoody

Date: 5/14/91

Well No: MW-5

Sampling Team: LaMontagne

Sampling Method:

Field Conditions: Sunny, 75°

Describe Equipment Decontamination Before Sampling This Well:

Wash in alconox solution Twice rinse in potable water Final rinse in deionized water

Total Depth

of Well:

50 feet

Time:

10:44 - 11:37

Depth to Water

Before Purging:

30.75 feet

| Volume Height of Water | | Diameter 2-inch | Diameter 4-inch | | Volume | | Purge <u>Factor</u> | | Volume To Purge |
|------------------------------|---|-----------------|-----------------|---|--------|---|------------------------|---|--------------------|
| Column: 19 feet | * | .16 | .65 | = | 12 gal | * | 3 | = | 36 Gal |

| Time | Volume Purged | рH | Conductivity | T | Comments |
|-------|---------------|----|--------------|------|--|
| 10:45 | 0 Gal | | 1.07 | 76.7 | Very clear |
| 10:49 | 18 Gal | | 1.25 | 72.3 | Slightly cloudy, light brown, slow recharger |
| 11:14 | 36 Gal | | 1.61 | 78.6 | 11 11 11 H |
| 11:35 | 54 Gal | | 1.71 | 80.8 | Clear |



APPENDIX D

LABORATORY REPORTS CHAIN-OF-CUSTODY FORMS AND QUALITY ASSURANCE DATA



Enseco - CRL

7440 Lincoln Way • Garden Grove, CA 92641 (714) 898-6370 • (213) 598-0458 • (800) LAB-1-CRL FAX: (714) 891-5917

May 23 1991

CLAYTON ENVIRONMENTAL CONSULTANTS
5785 CORPORATE AVENUE
CYPRESS, CA 90630
ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-001/005 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991 Project: (33043.00) STOODY

Enclosed with this letter is the report on the chemical and physical analyses on the samples from ANALYSIS NO: G-9113408-001/005 shown above.

The samples were received by CRL in a chilled state, intact and with the chain-of-custody record attached.

Note that ND means not detected at the reporting limit expressed. The reporting limit is raised to reflect the dilution factor of the sample.

Preliminary data for Turbidity were provided on May 16, 1991 at 8:42 A.M. Preliminary data for EPA 524.2 were provided on May 21, 1991 at 4:04 P.M. Preliminary data for EPA 418.1 were provided on May 22, 1991 at 12:29 P.M.

Reviewed

Approved



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-001/005 Date Sampled: 14-MAY-1991

Date Sample Rec'd: 14-MAY-1991

Date Analyzed: 14-MAY-1991 15-MAY-1991

Sample Type: LIQUID

Project: (33043.00) STOODY

| Sample ID | TPH Recoverable mg/L EPA 418.1 | le Turbidity NTU -L EPA 180.1 |
|-----------|--------------------------------|-------------------------------------|
| MW-1 | | 740 |
| MW-2 | | 780 |
| MW-3 | | 480 |
| MW-4 | | 94.0 |
| MW-5 | 1 | 88.0 |
| Blank | ND(1) | ND(0.1) |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-001 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 16-MAY-1991

Prep Method: EPA 5030 By: LR Date Analyzed: 16-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-1

Volatile Organic Compounds, EPA 524.2

Units: ug/L

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL | FN |
|---------------------------|------------------|--------------|-----------------|-------------|----|
| Dichlorodifluoromethane | ND | 2.5 | ND | 0.5 | |
| Chloromethane | ND | 2.5 | ND | 0.5 | |
| Bromomethane | ND | 2.5 | ND | 0.5 | |
| Vinyl Chloride | ND | 2.5 | ND | 0.5 | |
| Chloroethane | מא | 2.5 | ND | 0.5 | |
| Methylene Chloride | 3.3 | 2.5 | 1.1 | 0.5 | # |
| Trichlorofluoromethane | ND | 2.5 | ND | 0.5 | |
| 1,1-Dichloroethene | 14 | 2.5 | ND | 0.5 | |
| trans-1,2-Dichloroethene | ND | 2.5 | ND | 0.5 | |
| cis-1,2-Dichloroethene | 2.7 | 2.5 | ND | 0.5 | |
| 1,1-Dichloroethane | ND | 2.5 | ND | 0.5 | |
| 2,2-Dichloropropane | ND | 2.5 | ND | 0.5 | |
| Bromochloromethane | ND | 2.5 | ND | 0.5 | |
| Chloroform | ND | 2.5 | ND | 0.5 | |
| 1,1-Dichloropropene | ND | 2.5 | ND | 0.5 | ~ |
| 1,2-Dichloroethane | ND | 2.5 | ND | 0.5 | |
| Dibromomethane | ND | 2.5 | ND | 0.5 | |
| 1,1,1-Trichloroethane | ND | 2.5 | ND | 0.5 | |
| Carbon Tetrachloride | ND | 2.5 | ND | 0.5 | |
| Bromodichloromethane | ND | 2.5 | ND | 0.5 | |
| 1,2-Dichloropropane | ND | 2.5 | ND | 0.5 | |
| 1,3-Dichloropropane | ND | 2.5 | ND | 0.5 | |
| Trichloroethene | ND | 2.5 | ND | 0.5 | |
| Dibromochloromethane | ND | 2.5 | ND | 0.5 | |
| 1,1,2-Trichloroethane | ND | 2.5 | ND | 0.5 | |
| Benzene | ND | 2.5 | ND | 0.5 | |
| Bromoform | ND | 2.5 | ND | 0.5 | |
| Tetrachloroethene | 100 | 2.5 | ND | 0.5 | |
| 1,2-Dibromoethane | ND | 2.5 | ND | 0.5 | |
| 1,1,1,2-Tetrachloroethane | ND | 2.5 | ND | 0.5 | |
| 1,1,2,2-Tetrachloroethane | ND | 2.5 | ND | 0.5 | |
| Toluene | ND | 2.5 | ND | 0.5 | |
| Chlorobenzene | ND | 2.5 | ND | 0.5 | |
| Ethylbenzene | ND | 2.5 | ND | 0.5 | |

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-001 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 16-MAY-1991

Prep Method: EPA 5030 By: LR Date Analyzed: 16-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-1

Volatile Organic Compounds, EPA 524.2

Units: ug/L

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL |
|-----------------------------|------------------|--------------|-----------------|-------------|
| p,m-Xylene | ND | 2.5 | ND | 0.5 |
| o-Xylene | ND | 2.5 | ND | 0.5 |
| Styrene | ND | 2.5 | ND | 0.5 |
| Isopropylbenzene | ND | 2.5 | ND | 0.5 |
| Bromobenzene | ND | 2.5 | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 2.5 | ND | 0.5 |
| 2-Chlorotoluene | ND | 2.5 | ND | 0.5 |
| n-Propylbenzene | ND | 2.5 | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 2.5 | ND | 0.5 |
| 4-Chlorotoluene | ND | 2.5 | ND | 0.5 |
| tert-Butylbenzene | ND | 2.5 | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 2.5 | ND | 0.5 |
| sec-Butylbenzene | ND | 2.5 | ND | 0.5 |
| p-Isopropyltoluene | ND | 2.5 | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| n-Butylbenzene | ND | 2.5 | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,2,4-Trichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.5 | ND | 0.5 |
| Naphthalene | ND | 2.5 | ND | 0.5 |
| 1,2,3-Trichlorobenzene | ND | 2.5 | ND | 0.5 |



CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

CLAYTON ENVIRONMENTAL CONSULTANTS Analysis No.: G-9113408-001 5785 CORPORATE AVENUE Date Sampled: 14-MAY-1991

Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Project: (33043.00) STOODY _____

Volatile Organic Compounds, EPA 524.2 Surrogate Summary

| Date | Parameter (Method) | Percent Recovery | Acceptable Range |
|-------------|----------------------------------|---------------------|---------------------|
| 16-MAY-1991 | 1,2 DICHLORETHANE-D4 (EPA 524.2) | 93 | 74-134 |
| 16-MAY-1991 | TOLUENE-D8 (EPA 524.2) | 91 | 78-126 |
| 16-MAY-1991 | BROMOFLUOROBENZENE (EPA 524.2) | 91 | 82-121 |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-002 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 17-MAY-1991

Prep Method: EPA 5030 By: LR

Date Analyzed: 17-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-2

Volatile Organic Compounds, EPA 524.2

Units: ug/L

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL | F |
|---------------------------|------------------|--------------|-----------------|-------------|---|
| Dichlorodifluoromethane | ND | 2.5 | ND | 0.5 | _ |
| Chloromethane | ND | 2.5 | ND | 0.5 | |
| Bromomethane | ND | 2.5 | ND | 0.5 | |
| Vinyl Chloride | ND | 2.5 | ND | 0.5 | |
| Chloroethane | ND | 2.5 | ND | 0.5 | |
| Methylene Chloride | 3.0 | 2.5 | 1.1 | 0.5 | # |
| Trichlorofluoromethane | ND | 2.5 | ND | 0.5 | - |
| 1,1-Dichloroethene | 13 | 2.5 | ND | 0.5 | |
| trans-1,2-Dichloroethene | ND | 2.5 | ND | 0.5 | |
| cis-1,2-Dichloroethene | ND | 2.5 | ND | 0.5 | |
| l,1-Dichloroethane | ND | 2.5 | ND | 0.5 | |
| 2,2-Dichloropropane | ND | 2.5 | ND | 0.5 | |
| Bromochloromethane | ND | 2.5 | ND | 0.5 | |
| Chloroform | ND | 2.5 | ND | 0.5 | |
| 1,1-Dichloropropene | ND | 2.5 | ND | 0.5 | ^ |
| 1,2-Dichloroethane | ND | 2.5 | ND | 0.5 | |
| Dibromomethane | ND | 2.5 | ND | 0.5 | |
| 1,1,1-Trichloroethane | ND | 2.5 | ND | 0.5 | |
| Carbon Tetrachloride | ND | 2.5 | ND | 0.5 | |
| Bromodichloromethane | ND | 2.5 | ND | 0.5 | |
| 1,2-Dichloropropane | ND | 2.5 | ND | 0.5 | |
| 1,3-Dichloropropane | ND | 2.5 | ND | 0.5 | |
| Trichloroethene | ND | 2.5 | ND | 0.5 | |
| Dibromochloromethane | ND | 2.5 | ND | 0.5 | |
| 1,1,2-Trichloroethane | ND | 2.5 | ND | 0.5 | |
| Benzene | ND | 2.5 | ND | 0.5 | |
| Bromoform | ND | 2.5 | ND | 0.5 | |
| Tetrachloroethene | 140 | 2.5 | ND | 0.5 | |
| 1,2-Dibromoethane | ND | 2.5 | ND | 0.5 | |
| 1,1,1,2-Tetrachloroethane | ND | 2.5 | ND | 0.5 | |
| 1,1,2,2-Tetrachloroethane | ND | 2.5 | ND | 0.5 | |
| Toluene | ND | 2.5 | ND | 0.5 | |
| Chlorobenzene | ND | 2.5 | ND | 0.5 | |
| Ethylbenzene | ND | 2.5 | ND | 0.5 | |

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-002 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 17-MAY-1991

Prep Method: EPA 5030 By: LR Date Analyzed: 17-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-2

Volatile Organic Compounds, EPA 524.2

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL |
|-----------------------------|------------------|--------------|-----------------|-------------|
| p,m-Xylene | ND | 2.5 | ND | 0.5 |
| o-Xylene | ND | 2.5 | ND | 0.5 |
| Styrene | ND | 2.5 | ND | 0.5 |
| Isopropylbenzene | ND | 2.5 | ND | 0.5 |
| Bromobenzene | ND | 2.5 | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 2.5 | ND | 0.5 |
| 2-Chlorotoluene | ND | 2.5 | ND | 0.5 |
| n-Propylbenzene | ND | 2.5 | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 2.5 | ND | 0.5 |
| 4-Chlorotoluene | ND | 2.5 | ND | 0.5 |
| tert-Butylbenzene | ND | 2.5 | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 2.5 | ND | 0.5 |
| sec-Butylbenzene | ND | 2.5 | ND | 0.5 |
| p-Isopropyltoluene | ND | 2.5 | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| n-Butylbenzene | ND | 2.5 | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,2,4-Trichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.5 | ND | 0.5 |
| Naphthalene | ND | 2.5 | ND | 0.5 |
| 1,2,3-Trichlorobenzene | ND | 2.5 | ND | 0.5 |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-002 Date Sampled: 14-MAY-1991

Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Project: (33043.00) STOODY

| Date | Parameter (Method) | Recovery | Acceptable Range |
|-------------|----------------------------------|----------|---------------------|
| 17-MAY-1991 | 1,2 DICHLORETHANE-D4 (EPA 524.2) | 96 | 74-134 |
| 17-MAY-1991 | TOLUENE-D8 (EPA 524.2) | 103 | 78-126 |
| 17-MAY-1991 | BROMOFLUOROBENZENE (EPA 524.2) | 100 | 82-121 |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-003 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 16-MAY-1991

Prep Method: EPA 5030 By: LR Date Analyzed: 16-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-3

Volatile Organic Compounds, EPA 524.2

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL | FN |
|---------------------------|------------------|--------------|-----------------|-------------|----|
| | | | | | |
| Dichlorodifluoromethane | ND | 0.5 | ND | 0.5 | |
| Chloromethane | ND | 0.5 | ND | 0.5 | |
| Bromomethane | ND | 0.5 | ND | 0.5 | |
| Vinyl Chloride | ND | 0.5 | ND | 0.5 | |
| Chloroethane | ND | 0.5 | ND | 0.5 | |
| Methylene Chloride | ND | 0.5 | 0.73 | 0.5 | # |
| Trichlorofluoromethane | ND | 0.5 | ND | 0.5 | |
| 1,1-Dichloroethene | 49 | 0.5 | ND | 0.5 | |
| trans-1,2-Dichloroethene | ND | 0.5 | ND | 0.5 | |
| cis-1,2-Dichloroethene | ND | 0.5 | ND | 0.5 | |
| 1,1-Dichloroethane | ND | 0.5 | ND | 0.5 | |
| 2,2-Dichloropropane | ND | 0.5 | ND | 0.5 | |
| Bromochloromethane | ND | 0.5 | ND | 0.5 | |
| Chloroform | 1.0 | 0.5 | ND | 0.5 | |
| 1,1-Dichloropropene | ND | 0.5 | ND | 0.5 | _ |
| 1,2-Dichloroethane | 0.80 | 0.5 | ND | 0.5 | |
| Dibromomethane | ND | 0.5 | ND | 0.5 | |
| 1,1,1-Trichloroethane | 7.6 | 0.5 | ND | 0.5 | |
| Carbon Tetrachloride | 1.0 | 0.5 | ND | 0.5 | |
| Bromodichloromethane | ND | 0.5 | ND | 0.5 | |
| 1,2-Dichloropropane | ND | 0.5 | ND | 0.5 | |
| 1,3-Dichloropropane | ND | 0.5 | ND | 0.5 | |
| Trichloroethene | . 77 | 0.5 | ND | 0.5 | |
| Dibromochloromethane | ND | 0.5 | ND | 0.5 | |
| 1,1,2-Trichloroethane | ND | 0.5 | ND | 0.5 | |
| Benzene | ND | 0.5 | ND | 0.5 | |
| Bromoform | ND | 0.5 | ND | 0.5 | |
| Tetrachloroethene | 66 | 0.5 | ND | 0.5 | |
| 1,2-Dibromoethane | ND | 0.5 | ND | 0.5 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | ND | 0.5 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | ND | 0.5 | |
| Toluene | ND | 0.5 | ND | 0.5 | |
| Chlorobenzene | ND | 0.5 | ND | 0.5 | |
| Ethylbenzene | ND | 0.5 | ND | 0.5 | |

[#] Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.



CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

CLAYTON ENVIRONMENTAL CONSULTANTS Analysis No.: G-9113408-003
5785 CORPORATE AVENUE Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 16-MAY-1991

Prep Method: EPA 5030 By: LR Date Analyzed: 16-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-3

Volatile Organic Compounds, EPA 524.2

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL |
|-----------------------------|------------------|--------------|-----------------|-------------|
| p,m-Xylene | ND | 0.5 | ND | 0.5 |
| o-Xylene | ND | 0.5 | ND | 0.5 |
| Styrene | ND | 0.5 | ND | 0.5 |
| Isopropylbenzene | ND | 0.5 | ND | 0.5 |
| Bromobenzene | ND | 0.5 | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 | ND | 0.5 |
| n-Propylbenzene | ND | 0.5 | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 | ND | 0.5 |
| p-Isopropyltoluene | ND | 0.5 | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 | ND | 0.5 |
| 1,2,4-Trichlorobenzene | ND | 0.5 | ND | 0.5 |
| 1,2-Dibromo-3-chloropropane | ND | 0.5 | ND | 0.5 |
| Hexachlorobutadiene | ND | 0.5 | ND | 0.5 |
| Naphthalene | ND | 0.5 | ND | 0.5 |
| 1,2,3-Trichlorobenzene | ND | 0.5 | ND | 0.5 |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-003 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Project: (33043.00) STOODY

| Date | Parameter (Method) | Percent Recovery | Acceptable Range |
|-------------|----------------------------------|---------------------|---------------------|
| 16-MAY-1991 | 1,2 DICHLORETHANE-D4 (EPA 524.2) | 99 | 74-134 |
| 16-MAY-1991 | TOLUENE-D8 (EPA 524.2) | 97 | 78-126 |
| 16-MAY-1991 | BROMOFLUOROBENZENE (EPA 524.2) | 94 | 82-121 |



CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

CLAYTON ENVIRONMENTAL CONSULTANTS Analysis No.: G-9113408-004
5785 CORPORATE AVENUE Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 16-MAY-1991

Prep Method: EPA 5030 By: LR Date Analyzed: 16-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-4

Volatile Organic Compounds, EPA 524.2

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL |
|---------------------------|------------------|--------------|-----------------|-------------|
| Dichlorodifluoromethane | ND | 0.5 | ND | 0.5 |
| Chloromethane | ND | 0.5 | ND | 0.5 |
| Bromomethane | ND | 0.5 | ND | 0.5 |
| Vinyl Chloride | ND | 0.5 | ND | 0.5 |
| Chloroethane | ND | 0.5 | ND | 0.5 |
| Methylene Chloride | ND | 0.5 | ND | 0.5 |
| Trichlorofluoromethane | 1.3 | 0.5 | ND | 0.5 |
| 1,1-Dichloroethene | 12 | 0.5 | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 | ND | 0.5 |
| cis-1,2-Dichloroethene | 2.7 | 0.5 | ND | 0.5 |
| 1,1-Dichloroethane | ND | 0.5 | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 | ND | 0.5 |
| Bromochloromethane | ND | 0.5 | ND | 0.5 |
| Chloroform | 0.52 | 0.5 | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 | ND | 0.5 |
| Dibromomethane | ND | 0.5 | ND | 0.5 |
| 1,1,1-Trichloroethane | 1.1 | 0.5 | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 | ND | 0.5 |
| 1,3-Dichloropropane | ND | 0.5 | ND | 0.5 |
| Trichloroethene | 30 | 0.5 | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 | ND | 0.5 |
| Benzene | ND | 0.5 | ND | 0.5 |
| Bromoform | ND | 0.5 | ND | 0.5 |
| Tetrachloroethene | 92 | 0.5 | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | ND | 0.5 |
| Toluene | ND | 0.5 | ND | 0.5 |
| Chlorobenzene | ND | 0.5 | ND | 0.5 |
| Ethylbenzene | ND | 0.5 | ND | 0.5 |
| p,m-Xylene | ND | 0.5 | ND | 0.5 |
| o-Xylene | ND | 0.5 | ND | 0.5 |
| Styrene | ND | 0.5 | ND | 0.5 |
| Isopropylbenzene | ND | 0.5 | ND | 0.5 |
| Bromobenzene | , ND | 0.5 | ND | 0.5 |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-004 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 16-MAY-1991

Prep Method: EPA 5030 By: LR Date Analyzed: 16-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-4

Volatile Organic Compounds, EPA 524.2

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL |
|-----------------------------|------------------|--------------|-----------------|-------------|
| 1,2,3-Trichloropropane | ND | 0.5 | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 | ND | 0.5 |
| n-Propylbenzene | ND | 0.5 | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 | ND | 0.5 |
| p-Isopropyltoluene | ND | 0.5 | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 | ND | 0.5 |
| 1,2,4-Trichlorobenzene | ND | 0.5 | ND | 0.5 |
| 1,2-Dibromo-3-chloropropane | ND | 0.5 | ND | 0.5 |
| Hexachlorobutadiene | ND | 0.5 | ND | 0.5 |
| Naphthalene | ND | 0.5 | ND | 0.5 |
| 1,2,3-Trichlorobenzene | ND | 0.5 | ND | 0.5 |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-004 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Project: (33043.00) STOODY

| Date | Parameter (Method) | Percent Recovery | Acceptable Range |
|-------------|-------------------------|---------------------|---------------------|
| 16-MAY-1991 | 1,2 DICHLORETHANE-D4 | 99 | 74-134 |
| 10 | (EPA 524.2) | | |
| 16-MAY-1991 | TOLUENE-D8 (EPA 524.2) | 91 | 78-126 |
| 16-MAY-1991 | BROMOFLUOROBENZENE (EPA | 89 | 82-121 |
| | 524.2) | | |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Analysis No.: G-9113408-005 Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 7-MAY-1991

Prep Method: EPA 5030 By: LR

Date Analyzed: 7-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-5

Volatile Organic Compounds, EPA 524.2

| 01- | | | | |
|-----|---|---|--------|----|
| | _ | | | |
| | KL | Kesuit | KL | FN |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | 1.1 | 0.5 | # |
| ND | 2.5 | ND | 0.5 | |
| 16 | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| 2.7 | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | ~ |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| 130 | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| ND | 2.5 | ND | 0.5 | |
| | ND ND ND ND ND ND 16 ND | ND 2.5 ND 2.5 | Result | NE |

Analyte associated with sample processing and analysis in the lab environment. An acceptable method blank must contain less than five times the reporting limit of this analyte for this method.



CLAYTON ENVIRONMENTAL CONSULTANTS Analysis No.: G-9113408-005

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Date Prepared: 7-MAY-1991

Prep Method: EPA 5030 By: LR Date Analyzed: 7-MAY-1991 By: LR

Project: (33043.00) STOODY

Sample ID: MW-5

Volatile Organic Compounds, EPA 524.2

| Parameter | Sample Result | Sample RL | Blank Result | Blank RL |
|-----------------------------|------------------|--------------|-----------------|-------------|
| p,m-Xylene | ND | 2.5 | ND | 0.5 |
| o-Xylene | ND | 2.5 | ND | 0.5 |
| Styrene | ND | 2.5 | ND | 0.5 |
| Isopropylbenzene | ND | 2.5 | ND | 0.5 |
| Bromobenzene | ND | 2.5 | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 2.5 | ND | 0.5 |
| 2-Chlorotoluene | ND | 2.5 | ND | 0.5 |
| n-Propylbenzene | ND | 2.5 | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 2.5 | ND | 0.5 |
| 4-Chlorotoluene | ND | 2.5 | ND | 0.5 |
| tert-Butylbenzene | ND | 2.5 | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 2.5 | ND | 0.5 |
| sec-Butylbenzene | ND | 2.5 | ND | 0.5 |
| p-Isopropyltoluene | ND | 2.5 | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| n-Butylbenzene | ND | 2.5 | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,2,4-Trichlorobenzene | ND | 2.5 | ND | 0.5 |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.5 | ND | 0.5 |
| Naphthalene | ND | 2.5 | ND | 0.5 |
| 1,2,3-Trichlorobenzene | ND | 2.5 | ND | 0.5 |
| | | | | |



CLAYTON ENVIRONMENTAL CONSULTANTS Analysis No.: G-9113408-005 5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Date Sampled: 14-MAY-1991 Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Project: (33043.00) STOODY

| Date | Parameter (Method) | Percent Recovery | Acceptable Range |
|------------|----------------------------------|---------------------|---------------------|
| 7-MAY-1991 | 1,2 DICHLORETHANE-D4 (EPA 524.2) | 100 | 74-134 |
| 7-MAY-1991 | TOLUENE-D8 (EPA 524.2) | 96 | 78-126 |
| 7-MAY-1991 | BROMOFLUOROBENZENE (EPA 524.2) | 96 | 82-121 |



CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE

Project: (33043.00) STOODY

Analysis No.: G-9113408-001/005 Date Sampled: 14-MAY-1991

Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Matrix Spike/Matrix Spike Duplicate Report

Observed

| | 0202.00 | | | | | | | | | |
|--------------|--------------------------------|-------|--------|-------------|-----|--------|-----|--------|------|-----|
| Sample | | | Con | centrat | ion | Amt. | % I | Recove | ery | * |
| Number | Parameter (Method) | Units | Sample | MS | MSD | Spiked | MS | MSD | Avg. | RPD |
| 9112602-001L | TPH RECOVERABLE (EPA 418.1-L) | mg/L | ND | 7.0 | 6.8 | 8.0 | 87 | 85 | 86 | 2 |
| 9111606-015 | 1,1-DICHLOROETHENE (EPA 524.2) | ug/L | ND | 7 .7 | 6.4 | 7.00 | 110 | 91 | 100 | 18 |
| 9111606-015 | TRICHLOROETHENE (EPA 524.2) | ug/L | ND | 5.0 | 4.6 | 5.00 | 100 | 92 | 96 | 8 |
| 9111606-015 | BENZENE (EPA 524.2) | ug/L | ND | 4.8 | 4.4 | 5.00 | 96 | 88 | 92 | 8 |
| 9111606-015 | TOLUENE (EPA 524.2) | ug/L | ND | 9.4 | 8.9 | 10.0 | 94 | 89 | 91 | 5 |
| 9111606-015 | CHLOROBENZENE (EPA 524.2) | ug/L | ND | 10.1 | 9.3 | 10.0 | 101 | 93 | 97 | 8 |



Matrix Spike/Matrix Spike Duplicate Report Cross-Reference

| QC Batch | Date | Parameter (Method) | Sample Nos. |
|--------------|-------------|--------------------------------|---------------|
| 9111606-015 | 15-MAY-1991 | 1,1-DICHLOROETHENE (EPA 524.2) | G-9113408-001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| | 15-MAY-1991 | TRICHLOROETHENE (EPA 524.2) | G-9113408-001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| | 15-MAY-1991 | BENZENE (EPA 524.2) | G-9113408-001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| | 15-MAY-1991 | TOLUENE (EPA 524.2) | G-9113408-001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| | 15-MAY-1991 | CHLOROBENZENE (EPA 524.2) | G-9113408-001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| 9112602-001L | 15-MAY-1991 | TPH RECOVERABLE (EPA 418.1-L) | G-9113408-005 |

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CLAYTON ENVIRONMENTAL CONSULTANTS

5785 CORPORATE AVENUE

CYPRESS, CA 90630

ATTN: MR. ANDRE LAMONTAGNE Project: (33043.00) STOODY Analysis No.: G-9113408-001/005 Date Sampled: 14-MAY-1991

Date Sample Rec'd: 14-MAY-1991

Sample Type: LIQUID

Laboratory Control Sample Report

| QC Batch | Parameter (Method) | Amt. Spiked | Units | Avg. Spike Recov. | Acceptable Range | Rel. Pct. Diff. | Acceptable Range |
|-------------|---------------------------|----------------|-------|-------------------------|---------------------|-----------------------|---------------------|
| L91134047 | TURBIDITY (EPA 180.1) | 5.00 | NTU | 100 | 80-120 | 0. | 20 |
| L91136027 | 1,1-DICHLOROETHENE (EPA | 7.00 | ug/L | 107 | 64-116 | 1. | 13 |
| | 524.2) | | | | | | |
| L91136027 | TRICHLOROETHENE (EPA | 5.00 | ug/L | 100 | 80-117 | 0. | 15 |
| | 524.2) | | | | | | |
| L91136027 | BENZENE (EPA 524.2) | 5.00 | ug/L | 100 | 81-119 | 0. | 14 |
| L91136027 | TOLUENE (EPA 524.2) | 10.0 | ug/L | 99 | 77-120 | 0. | 12 |
| L91136027 | CHLOROBENZENE (EPA 524.2) | 10.0 | ug/L | 104 | 81-121 | 5. | 14 |



Laboratory Control Sample Report Cross-Reference

| QC Batch | Date | Parameter (Method) | Sample Nos. |
|-----------|-------------|--------------------------------|------------------------|
| L91134047 | 14-MAY-1991 | TURBIDITY (EPA 180.1) | G-9113408-001 |
| | | · | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| L91136027 | 15-MAY-1991 | 1,1-DICHLOROETHENE (EPA 524.2) | G-9113408-001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| | | TRICHLOROETHENE (EPA 524.2) | G-9113408-001 |
| | | · | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| | | BENZENE (EPA 524.2) | G-9113408-001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| | | TOLUENE (EPA 524.2) | G-9113408-001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |
| | | CHLOROBENZENE (EPA 524.2) | G-9113 408 -001 |
| | | | G-9113408-002 |
| | | | G-9113408-003 |
| | | | G-9113408-004 |
| | | | G-9113408-005 |

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| E nseco |
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| A Corning Company |

| 11 | 7440 | Lincoln | Way. | Garden | Grove. | CA | 92641. | (714) | 898 6370 |
|----|-----------|---------|------|--------|-----------|----|--------|--------|----------|
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[] 2810 Bunsen Ave. Unit A Ventura, CA 93003, (805) 650 0546 [] 2325 Skyway Dr., Unit K., Santa Maria, CA 93455, (805) 922 2776 [] 9537 Telstar Ave., Unit 118, El Monte, CA 91731, (818) 442 8400

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| Date | 14 11114 91 Page 1 of 1 |
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| | Lab Number |

| A Corning Company | | | ENSECO 8 | UN 317. | 31, (010 | , 442 040 | (, C | 711 | 36 | 155 | | | Li | ab Nu | mber | |
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| CLIENT CAYTOAL ENV. | Con | · · · · · · · · · · · · · · · · · · · | | P | PROJECT MANAGER | | | | | | | | | | | |
| ADDRESS 5785 CRARAT | 7- A | | #150 | | Analyses Analyses | | | | | | | | | | | |
| CYPRESS | | | | l l | PHONE NUMBER | | | | | | | | | _ | | |
| PROJECT NAME | | | | | TIV. | , 270 | i wa | ./. | | | | | | | | |
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| CONTRACT / PURCHASE ORDER / QUO | TE# | | | | | | | | | Sy's | / \ | \\\f\\ | | | | |
| CI- No. / | 1 | | Lab Cample | SA | AMPLE T | YPE | No. of | 1 / | | |) '' | / / | / / | / / | | |
| Sample No. / Identification | Date | Time | Lab Sample Number | LIQ. | AIR | SOLID | Con- tainers | | 14 | | * | | | | Sample Conditio REMARKS | n/ |
| 3 MW · 1 | sligke | Am | | Χ | | | 5 | X | χ | | | | | | | |
| Mw z | | Am | | X | <u></u> | | 5- | X | X | | | | | | | |
| MW 3 | | An | | 1 | | <u> </u> | 5 | X | × | | | | | | | |
| · MW.Y | | AM | | X | | | 5 | χ | X | | | | | | | |
| u1w-5 | $\downarrow \downarrow$ | fn | | X | | | 6 | X | X | X | | | | | | |
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| SAMPLERS: (Signature) | | Re | ceived by: (Signa | ature) | re) Di | | | | Date | Time The delivery of samples and the signature of custody form constitutes authorization to | | | authorization to perform | the | | |
| Relinquished by: (Signature) Received by: (Signature) | | | | | re) Dai | | | | Date | Time | Con | analyses specified above under the Enseco Terms an Conditions, unless a contract or purchase order has bee executed and is cited above. | | | | |
| Relinquished by: (Signature) | | | Date Time | Re | eceived | or Lab | Coratory by: | | | | ECEIVE | D 1 | ime | Dat | e ACCEPTED Tim | e |
| | | | | | 11 | 4 | Con | · - | 1,2- | 14-9 | | ر ۱۱ ۱ | <u></u> | | | |
| Method of Shipment: | | | | | | | (| 1 | | SAMPLE 1. Stora | ge time | reques | ted: | | _days | |
| Special Instructions: | | | | | | | | | | (Sample thereafted | s will b er stora | e store ge char | d for 31 ges will | D days (be bille | without additional charge d at the published rates.) | s; |
| TURBINITY 24 HR. 5. | 24.2 | with. | " Folar | <u>ر</u> | 7/3 | ' | <u> </u> | ZJA | این | 2. Sam | ole to b | e return | ed to cl | ient: | Y N mples at no extra charg | |
| 0/ 1/2/ -1/4 | Δ Δ | a. 1 | N 4 - 1 1 | (- ₁ , | ۱,,, | ~ .c. | -110//- | , | / | | will be | by inc | ineration | where | ver possible; otherwise, a | |
| Phase FAX Was Preling DASH (714) 279-4805 | | | | | | | | LL. 0 P. I | , | g | ygur | | , | - 1 | | |